

Point
Ruston

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MAY 16 2012

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ENVIRONMENTAL CLEANUP

5219 N. Shirley St. Suite 100, Ruston, WA 98407

May 15, 2012

Mr. Kevin L. Rochlin
Remedial Project Manager
U.S. Environmental Protection Agency
Region 10
1200 Sixth Avenue, ECL-111
Seattle, WA 98101

RE: Monthly Report: No. 191, April 2012
Operable Unit No. 02 - Asarco Tacoma Smelter Site

Dear Mr. Rochlin:

Point Ruston is submitting this monthly report per the requirements of paragraph 48 of the Consent Decree for the above referenced site. The report is organized to follow item (a) through (g) of this paragraph.

If you have any questions, please call me at (253) 752-2185, extension 236.

Sincerely,

A handwritten signature in dark ink, appearing to read 'Loren Cohen', with a long, sweeping horizontal line extending to the right.

Loren Cohen
Manager of Legal Affairs

Attachment (2 copies)

cc: Steve Teel - Washington Department of Ecology
Evan Griffiths - CH2MHill (2 copies)
Leslie Ann Rose - Citizens for a Healthy Bay



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Operable Unit 02

Asarco Tacoma Smelter Site

A. *Actions taken to achieve compliance with the Consent Decree during the previous month.*

1. Met with EPA on April 6th and April 27th for EPA coordination meetings.
2. Met with Metro Parks Tacoma for ongoing discussions regarding the Slag Peninsula property.
3. Discussions throughout the month with DNR and State of Washington regarding aquatic land RA, and pursuit of state appropriation for cleanup of contaminated state-owned aquatic land sediments.
4. Continued edits and comment responses to updated Temporary Interim Permanent Cap Plan, Seq. of Dev. and Occupancy Plan (particularly the Air Monitoring chapter), amended Phase I CMP, and Waterwalk CMP, Site Wide Storm Water Plan and Construction Health and Safety Plan.
5. Continued construction of the improvements associated with the Master Infrastructure CMP, including utilities and roads.
6. Continued drafting post-construction report of Shoreline Armoring RA for submittal to EPA.
7. Continued initial site wide grading in bldg. 7A/7B locations and south of Copperline (bldg. 2) in conjunction with TIC and Interim Storm Water Plan.
8. Site wide maintenance conducted after storm events, including replacement of silt fences and other storm water BMPs, as well as exclusion zone fencing. On-going site maintenance and monitoring continues, including all requirements under the Site Wide Construction Health and Safety Plan.
9. Continued weekly site-inspection reports (see attached).
10. Maintained clean work areas and roads.
11. Training activities include the following:
 - Site Safety Orientations (Clean Zone) were held for two hundred seven (207) personnel of various companies:
 - Site Specific Safety Training (Exclusion Zone) was held for personnel of the following companies:
 - i. Two (2) Point Ruston employees
 - HAZWOPER Basic training was verified or completed by personnel of the following companies:
 - i. One (1) GeoResources employee
 - ii. Two (2) Point Ruston employees
 - HAZWOPER annual retraining was verified or completed by personnel of the following companies:
 - i. One (1) Olson Brothers employee
 - ii. One (1) GeoResources employee
 - iii. One (1) Point Ruston employee
 - iv. One (1) Hydrometrics employee

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- Other relevant monitoring or training was verified or completed by personnel of the following companies:
 - i. Three (3) Point Ruston employees (Arsenic Analysis)
 - ii. Four (4) Olson Brothers employees (Arsenic Analysis)

B. Summary of sampling, tests and all other data received or generated by Point Ruston in the previous month.

1. Outfall activities including the following:

Section 2.3 of the Final Statement of Work (SOW) for Remedial Design and Remedial Action – Exhibit F to the Second Amendment requires Point Ruston to continue outfall monitoring. Outfalls will be monitored to determine if the monthly average surface water outfall concentrations for arsenic, copper, and zinc exceed 0.5 ppm at the North and South site outfalls until they are abandoned.

Weekly composite samples will be collected at each outfall during the construction season. During the winter season, outfall samples will be collected every other month. Asarco began the following schedule in May of 2003, which Point Ruston will continue to implement: weekly composite samples will be collected from April-October, and in December and February.

In addition to the North and South Outfalls, Point Ruston monitors an existing upland station near the southeastern end of the car tunnel. This monitoring station is designated OSW2. Samples were collected by Point Ruston from the outfall locations on April 9th, 16th, 23rd, and 30th. Results from samples collected are attached. There were no exceedances.

It should be noted that on April 20, 2012, the water passing through the OSW2 location was diverted into the new City of Tacoma storm drain system (Edwards Street Outfall), and therefore the flow of storm water through the South Outfall has been discontinued. In the days following the storm water diversion to Edwards Street, water to the South Outfall was observed to reduce to no flow. The only water accumulating in the South Outfall sampling location is sea water, which accumulates at high tides. Sampling at the South Outfall location will be suspended beginning in May, 2012 due to lack of sampling media. Under the current design for the Temporary Impervious Cap (TIC), which is being implemented as part of the Sequence of Development and Occupancy Plan, a certain flow of

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clean storm water will be temporarily diverted to the South Outfall. Upon this occurrence sampling will again be commenced.

2. Point Ruston collects OCF leachate in a 5,000-gallon polyethylene tank for offsite shipment and disposal. LCRS and LDCRS volumes are monitored weekly in accordance with the draft OCF OMMP. LCRS volumes currently average approximately 100 gallons per day on the LCRS. Point Ruston shipped 4,716 gallons of leachate (3.83 mg/L arsenic) on April 11th. Sample results are attached.
3. Point Ruston performs perimeter air monitoring at three locations on the site: NW Corner of OCF, OCF Vault #1 (upper vault), and at the South Gate. With EPA approval, Point Ruston has suspended perimeter air monitoring during wet weather events that cause wet site conditions. Perimeter air monitoring will resume when the weather allows the site to dry out. Results for samples collected April 1st through April 21st are attached. Results for the remainder of April are pending laboratory analysis and will be submitted with the May report. There were no exceedances.

NOTE: On April 9th the South Gate air monitor was moved to a location at the Grand Avenue and Ruston Way roundabout, designated "South Gate 2", as part of the Ruston Way 5k race event. On April 16th the same air monitor was move slightly to protect the monitoring equipment from Ruston Way 5K activities. On April 23rd the South Gate monitor was returned to its original position near the south end of the site. Site plans showing the above changes in the perimeter air monitoring locations are attached. Laboratory results were not received in sequence for all three monitor locations due to the fact that a rush analysis was requested for samples obtained at the South Gate 2 location. Samples at this location were submitted daily while the other locations were processed and submitted using the standard weekly schedule.

4. Point Ruston performs personal air monitoring in accordance with WAC 296-848-20060(1) & WAC 296-155-17609(1)(a) to determine if the airborne concentrations of arsenic and lead exceed the PEL. Personal air monitoring was performed on April 2nd through April 6th during various LID activities including; landscaping, fence installation, road grading, asphalt paving, masonry installation, and etc. Results for samples collected are attached. There were no exceedances.

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5. Point Ruston performs subsurface methane gas monitoring. In 2009 a passive gas extraction system was installed under the western side of the building 2B foundation, as part of the construction associated with the Phase 1 CMP. In 2011, four gas monitoring wells were installed within the boundaries of the eastern half of building 2B. The Gas Monitoring Data Log and field worksheets for the month of April are attached. No methane has been detected.
6. Point Ruston performs miscellaneous contaminant sampling on site. Contaminant sampling was conducted on April 17 and 18 to determine arsenic and lead levels in soils excavated from the Baltimore road improvements and stockpiled on Stack Hill Lots 23 and 24. Sample results are attached.

C. *Work Plans and other deliverables completed and submitted during the previous month.*

1. Plans and Documents included the following:
 - Temporary Cap Plan** – Continued design work and replies to EPA comments. To be re-submitted in May.
 - Site Wide Storm Water Plan** -- Continued design work and replies to EPA comments. To be re-submitted in May in conjunction with Temporary Cap Plan submittal.
 - Construction Health & Safety Plan (CH&SP)** – Drafting comments responses. To be re-submitted in May.
 - Sequence of Development and Occupancy Plan (SDOP)** – Continued design work and replies to EPA comments. Hired air monitoring specialist to complete air monitoring plan. To be re-submitted in May.
 - Ruston Way H&SP Fencing Plan** – Completed and submitted to EPA for Ruston Way 5k event.
 - Operations Maintenance, and Monitoring Plan (OMMP)** – Point Ruston continuing edits and scheduled for submittal following EPA comments on SDOP
 - CC&Rs and HOA OMMP budget** – Point Ruston continuing edits and restructuring. Removing environmental specific conditions and placing into stand-alone Environmental CC&R document - submittal anticipated following receipt of EPA's comments to SDOP.
 - Phase 1 Construction Management Plan (CMP)** –EPA approval; edits and restructuring for re-submittal to include updated RA for site improvements; construction to continue through summer 2012. To be re-submitted in May.

Waterwalk CMP- Continued comment responses. To be re-submitted in May.

**Biological Assessment South Outfall Construction (Edwards Street)/
BA South Outfall Flow (Edwards Street)** – Re-submitted updated BA for new Edwards Street flows.

BA Shoreline Stabilization – Continued draft post-inspection completion report; awaiting finalized as-built drawings; tentatively schedule to be submitted May 2012.

2. Remedial Action included the following tasks:

- OCF construction activities:
 - Maintained leachate collection system.
 - Inspected storm drain system, vaults and cover.
- Stack Hill construction activities:
 - Maintained erosion and surface water controls; Maintained site perimeter fence and signage at the north end of Stack Hill. Stockpiling materials for completed filling of construction storm water trenches
 - Subgrade samplings of Stack Hill face to determine extent of cap and RA.
 - Beginning to plan for the closure of the temporary storm water ditch.
- Site-wide remediation/redevelopment activities:
 - Continued surface water controls
 - Maintained onsite haul roads and stockpiles
 - Maintained erosion and surface water controls; Inspected and repaired silt fence and exclusion zone fencing. Ruston Way closed to public traffic to accommodate MICMP construction of ROW and other public utilities.
 - On April 21st Point Ruston sponsored the Ruston Way 5k event and Ruston Way grand opening ribbon cutting ceremony. The event brought more than 1,000 people to the site and 750+ race participants. Many local and federal elected leaders were present as well, resulting in a successful “soft opening” for the new road.
 - Continued site-wide dust monitoring and control through site and access road watering, as needed. (None during wet weather events.)
 - Maintained air-monitoring program per CH&SP
 - Completed shoreline armoring BA, construction on going, and trenching and armoring construction on going.

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- Main Site Access is located at 54th & Bennett Street, Ruston WA. The physical address is 5397 N. Bennett Street, Ruston, WA 98407. The south gate (Ruston Way) is only accessible for emergency access or as necessary for MICMP/LID construction to allow completion of roadway and light installation with an anticipated completion date in early June. The road is anticipated to be opened for public use in early June.

D. Actions scheduled for the next six weeks.

1. Under MICMP the Filterra storm water filters will be completed and water begin to flow in the new system. MICMP completion expected May-2012; Point Ruston to complete construction drawings for Waterwalk.
2. Submit post completion construction report for shoreline armoring and apply for Certificate of Completion for this element of the RA, per the Consent Decree.
3. Finalize design and approvals of Temporary Impervious Cap, begin site wide mass grading, and begin construction of liner and gravel cover.
4. Continue CH&SP air monitoring during RA activities.
5. Meet with EPA management regarding occupancy plans and continue discussion of SOW schedule extension.
6. Continue to work on response to EPA comments on the Operation, Maintenance and Monitoring Plan ("OMMP")
7. Continue discussions with Metro Parks Tacoma regarding Slag Peninsula property; begin initial work on Peninsula Park CMP.
8. Continue discussions with DNR and State of Washington regarding aquatic land RA.

The following Remedial Action tasks are planned to continue:

RA Monitoring:

- a. Outfall sampling (weekly composite samples) during scheduled months
- b. Air monitoring during remedial action activities

OCF OMMP activities:

- a. Continue collection of leachate for offsite disposal
- b. Continue monitoring of leachate volumes

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Stack Hill construction activities:

- a. Erosion controls and site maintenance
- b. Continue home construction and sales & marketing efforts

Site-wide construction activities:

- a. Continue surface water controls
- b. Maintain roads and stockpiles onsite
- c. Maintain erosion controls
- d. Construction activities for mass grading and Master Infrastructure
- e. Complete site wide grading and placement of onsite stockpiles and soils in advance of subgrade construction and compaction.

E. Percentage completion, unresolved delays encountered or anticipated that may affect schedule, and efforts to mitigate delays.

- 1. Point Ruston is continuing to work with the City of Tacoma & Town of Ruston on work associated with the Master Infrastructure CMP and Phase I CMP; LID construction is ongoing as is Phase 1. The framing of building 2A is near completion and installation of the windows and roof began. First occupancy tentatively scheduled for Fall 2012.

F. Modifications to work plans or schedules proposed to or approved by EPA.

- 1. The Second Amendment to the Consent Decree was finalized and the sale of the property to Point Ruston LLC completed on October 31, 2006.
- 2. Point Ruston submitted a Request for Schedule Modification to Attachment 1 of the Final Statement of Work on February 9, 2010. EPA approved a SOW Schedule Modification on March 24, 2011 deleting the 50% cap completion date, in exchange for an agreement by Point Ruston to complete an interim temporary cap on the site.

G. Activities undertaken to support Community Relations Plan during the previous month and planned for the next four weeks.

- 1. Major marketing efforts to announce the grand re-opening of Ruston Way, by hosting and promoting the Ruston Way 5k fun run and walk event (www.RustonWay5k.com), held on April 21st with a Ribbon Cutting Ceremony for Ruston Way re-opening. Thousands of rack cards, flyers, and posters were distributed throughout the region. More than 750 runners signed up and over one thousand attended the ribbon cutting ceremony and inaugural drive down Ruston Way.

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2. Point Ruston continues to work in conjunction with staff from the Town of Ruston and City of Tacoma regarding development plans, which incorporate remediation components for the site.
3. Point Ruston continues negotiations, design and conclusion of the sale of Waterwalk property to the City of Tacoma.
4. Continue to work in coordination with Tacoma Yacht Club and Metro Parks regarding Slag Peninsula cleanup and Yacht Club Rd. construction.
5. Point Ruston continues to meet with the Town of Ruston, City of Tacoma and MetroParks to address operation, maintenance, and monitoring issues at the site.
6. Point Ruston to continue discussions with DNR related to aquatic land cleanup issues.

Weekly Site Inspection Reports



Weekly Site Inspection Report No.

2012-0401

Week of: 4/1 - 7, 2012

Inspector: Tim Rusher

Operable Unit 02 - Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION			NEED REPAIR?		COMMENTS/OBSERVATIONS
Gates:						
49 th & Ruston Wy	(G)	F	P	Y	(N)	
Peninsula	(G)	F	P	Y	(N)	
52 nd Street	(G)	F	P	Y	(N)	
54 th Street (electric)	(G)	F	P	Y	(N)	
Signage:						
Gates	(G)	F	P	Y	(N)	
Perimeter	(G)	F	P	Y	(N)	
Safety	(G)	F	P	Y	(N)	
(Other)	G	F	P	Y	N	NEED SIGNAGE FOR NEW FENCE
Public Streets:						
Ruston Way	G	F	P	Y	N	CLOSED
51 st & Gallagher	G	F	P	Y	N	II
Stack Hill	(G)	F	P	Y	(N)	
(Other)	G	F	P	Y	N	
BMPs:						
Berms	(G)	F	P	Y	(N)	WORKED ON DRAINAGE SWALES
Waddles	(G)	F	P	Y	(N)	
Silt Fence	(G)	F	P	Y	(N)	
(Other)	G	F	P	Y	N	
Strom drains clean:						
Lower Site	(G)	F	P	Y	(N)	
Stack Hill	(G)	F	P	Y	(N)	
Stockpiles:						
Envirotac II	(G)	F	P	Y	(N)	NONE
Plastic	(G)	F	P	Y	(N)	Topsoil
Packed	(G)	F	P	Y	(N)	
Grass	(G)	F	P	Y	(N)	
Dust:						
Traffic areas	(G)	F	P	Y	(N)	
Excavation area	(G)	F	P	Y	(N)	
(Other)	G	F	P	Y	N	
Fencing:						
Site Perimeter	(G)	F	P	Y	(N)	
Zone Separation	(G)	F	P	Y	(N)	
(Other)	G	F	P	Y	N	
Cameras:						
Lower Site	G	(F)	P	Y	(N)	
(Other)	G	(F)	P	Y	(N)	

G=Good F=Fair P=Poor Y=Yes N=No

Weekly Site Inspection Report No. 2012-0401
Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION			NEED REPAIR?		COMMENTS/OBSERVATIONS
Health & Safety Plans:						UNDER REVIEW
Site Superintendant	G	(F)	P	(Y)	N	
Construction Super.	G	(F)	P	(Y)	N	
Other	G	F	P	Y	N	

G=Good F=Fair P=Poor Y=Yes N=No

Misc. notes:

Air Monitoring:

Day of Week	Hi-Vol Y/N	Personal Y/N	Air Monitoring Notes	
Sun	1	N	N	NO RA ACTIVITY
Mon	2	Y	Y	CONCRETE SIDEWALKS / ISLAND PAVES / TREE PLANTING / GRADING / GRADING LOT #7
Tue	3	Y	Y	BALTIMORE BRIDGE / GRADING / ASPHALT PREP / LANDSCAPING / FENCE WORK / ISLAND PAVERS
Wed	4	Y	Y	ISLAND PAVERS / LANDSCAPING / SIDEWALK PREP / EQUIPMENT #7
Thu	5	Y	Y	LINER SEAM LOT 9A / GRADING / ASPHALT PREP / ISLAND PAVERS / LANDSCAPING / FENCE
Fri	6	Y	Y	ASPHALT PAVING / GRADING LOT 10-B / GRADING SHELTERLINE
Sat	7	N	N	NO RA ACTIVITY

WEATHER:

Day of Week	(LOW/HIGH)	Summary of Weather Conditions
Sun	1	38°/45°:SSW WIND 8MPH/GUST 18MPH, 0.08" (SCATTERED)
Mon	2	39°/68°:SSW WIND 4MPH/GUST 12MPH, NO PRECIPITATION
Tue	3	37°/53°:SSW WIND 5MPH/GUST 14MPH, PRECIP. 0.16" (MORN-NOON BEV)
Wed	4	36°/50°:WSW WIND 3MPH/GUST 11MPH, NO PRECIPITATION
Thu	5	38°/49°:WSW WIND 3MPH/GUST 11MPH, PRECIP. 0.04" (MORNING)
Fri	6	35°/51°:SW WIND 4MPH/GUST 10MPH, NO PRECIPITATION
Sat	7	34°/57°:NNE WIND 3MPH/GUST 11MPH, NO PRECIPITATION

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

DATE: 4/9/2012

SIGNED: 

T.M.R.

TITLE: Construction Oversight / Health & Safety Officer



Weekly Site Inspection Report No. **2012-0408**

Week of: **4/8 - 14, 2012**

Inspector: **Tim Rusher**

Operable Unit 02 - Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION			NEED REPAIR?		COMMENTS/OBSERVATIONS
Gates:						
49 th & Ruston Wy	G	F	P	Y	N	
Peninsula	G	F	P	Y	N	
52 nd Street	G	F	P	Y	N	
54 th Street (electric)	G	F	P	Y	N	
Signage:						
Gates	G	F	P	Y	N	
Perimeter	G	F	P	Y	N	
Safety	G	F	P	Y	N	
(Other)	G	F	P	Y	N	
Public Streets:						
Ruston Way	G	F	P	Y	N	CLOSED
51 st & Gallagher	G	F	P	Y	N	CLOSED
Stack Hill	G	F	P	Y	N	TRACK OUT FROM BALTIMORE WORK WAS CLEANED
(Other)	G	F	P	Y	N	IN A TIMELY MANNER
BMPs:						
Berms	G	F	P	Y	N	
Waddles	G	F	P	Y	N	
Silt Fence	G	F	P	Y	N	
(Other)	G	F	P	Y	N	
Strom drains clean:						
Lower Site	G	F	P	Y	N	
Stack Hill	G	F	P	Y	N	
Stockpiles:						
Envirotac II	G	F	P	Y	N	NONE
Plastic	G	F	P	Y	N	
Packed	G	F	P	Y	N	
Grass	G	F	P	Y	N	
Dust:						
Traffic areas	G	F	P	Y	N	
Excavation area	G	F	P	Y	N	
(Other)	G	F	P	Y	N	
Fencing:						
Site Perimeter	G	F	P	Y	N	
Zone Separation	G	F	P	Y	N	OUTGOING MAINTENANCE
(Other)	G	F	P	Y	N	
Cameras:						
Lower Site	G	F	P	Y	N	
(Other)	G	F	P	Y	N	

G=Good F=Fair P=Poor Y=Yes N=No

Weekly Site Inspection Report No. 2012-0408
Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION			NEED REPAIR?		COMMENTS/OBSERVATIONS
Health & Safety Plans:						
Site Superintendant	G	F	P	Y	N	UNDER REVIEW
Construction Super.	G	F	P	Y	N	
Other	G	F	P	Y	N	

G=Good F=Fair P=Poor Y=Yes N=No

Misc. notes:

Air Monitoring:

Day of Week	Hi-Vol Y/N	Personal Y/N	Air Monitoring Notes
Sun 8	N	N	NO RA ACTIVITY
Mon 9	Y	N	1 ST LIFT PAVING / LOT #7 GRADING / 2A WATERPROOFING/BALTIMORE
Tue 10	Y	N	CONCRETE FINISHING/BALTIMORE WORK/LANDSCAPING/FENCING/BRICK PAVING
Wed 11	Y	N	LANDSCAPING/BRICK PAVING/CURB SIDEWALK DEMO/BALTIMORE WORK
Thu 12	Y	N	LANDSCAPING/CONCRETE FINISHING/BRICK PAVING/FENCING
Fri 13	Y	N	BALTIMORE WORK/LANDSCAPING/BRICK PAVING/FENCING
Sat 14	N	N	NO RA ACTIVITY

WEATHER:

Day of Week	(LOW/HIGH)	Summary of Weather Conditions
Sun 8	46°/60°	NNE WIND 3MPH/GUST 8MPH, NO PRECIPITATION
Mon 9	44°/65°	NORTH WIND 2MPH/GUST 7MPH, NO PRECIPITATION
Tue 10	47°/64°	WSW WIND 4MPH/GUST 12MPH, NO PRECIPITATION
Wed 11	47°/51°	SW WIND 5MPH/GUST 12MPH, PRECIP. 0.13" (MORN-AFTERNOON)
Thu 12	44°/56°	SW WIND 3MPH/GUST 21MPH, PRECIP. 0.01" (AFTERNOON)
Fri 13	41°/55°	NNE WIND 4MPH/GUST 18MPH, NO PRECIPITATION
Sat 14	39°/40°	SW WIND 5MPH/GUST 18MPH, NO PRECIPITATION

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

DATE: 4/16/2012

SIGNED: 

Tim R.

TITLE: Construction Oversight / Health & Safety Officer



Weekly Site Inspection Report No.

2012-0415

Week of: 4/15 - 21, 2012

Inspector: Tim Rusher

Operable Unit 02 - Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION			NEED REPAIR?		COMMENTS/OBSERVATIONS
Gates:						NOTE: NOW GATES TO ADD TO LIST
49 th & Ruston Wy	(G)	F	P	Y	(N)	
Peninsula	(G)	F	P	Y	(N)	
52 nd Street	(G)	F	P	Y	(N)	
54 th Street (electric)	(G)	F	P	Y	(N)	
Signage:						
Gates	(G)	F	P	Y	(N)	
Perimeter	(G)	F	P	Y	(N)	
Safety	(G)	F	P	Y	(N)	
(Other)	G	F	P	Y	N	
Public Streets:						
Ruston Way	G	F	P	Y	N	CLOSED (1 ST LEFT ASPHALT)
51 st & Gallagher	G	F	P	Y	N	CLOSED
Stack Hill	(G)	F	P	Y	(N)	
(Other)	G	F	P	Y	N	
BMPs:						
Berms	(G)	F	P	Y	(N)	
Waddles	(G)	F	P	Y	(N)	
Silt Fence	(G)	F	P	Y	(N)	
(Other)	G	F	P	Y	N	
Strom drains clean:						
Lower Site	(G)	F	P	Y	(N)	
Stack Hill	(G)	F	P	Y	(N)	
Stockpiles:						
Envirotac II	G	F	P	Y	N	NONE
Plastic	(G)	F	P	Y	(N)	
Packed	(G)	F	P	Y	(N)	
Grass	(G)	F	P	Y	(N)	
Dust:						
Traffic areas	(G)	F	P	Y	(N)	
Excavation area	(G)	F	P	Y	(N)	
(Other)	G	F	P	Y	N	
Fencing:						
Site Perimeter	(G)	F	P	Y	(N)	
Zone Separation	(G)	F	P	Y	(N)	ONGOING MAINTENANCE
(Other)	G	F	P	Y	N	
Cameras:						
Lower Site	G	(F)	P	Y	(N)	
(Other)	G	(P)	P	Y	N	

G=Good F=Fair P=Poor Y=Yes N=No

Weekly Site Inspection Report No. 2012-0415
Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERALL CONDITION			NEED REPAIR?		COMMENTS/OBSERVATIONS
Health & Safety Plans:						
Site Superintendant	G	F	P	Y	N	UNDER REVIEW
Construction Super.	G	F	P	Y	N	
Other	G	F	P	Y	N	

G=Good F=Fair P=Poor Y=Yes N=No

Misc. notes: 4/15 TRESPASSERS IN CARTUNNEL APPREHENDED BY POLICE.

Air Monitoring:

Day of Week	Hi-Vol Y/N	Personal Y/N	Air Monitoring Notes
Sun 15	N	N	NO RA ACTIVITY
Mon 16	Y	N	LID (PAVER BLOCKS/FENCING); MOVE S. Gated H Vol; BALTIMORE SOIL IMPORT
Tue 17	Y	N	" " " / LANDSCAPING; BALTIMORE WORK
Wed 18	Y	N	" (BARK HYDRO SEEDS/PAVER BLOCKS/FENCING); SIGN BASE (MASONRY)
Thu 19	Y	N	BALTIMORE WORK; GRADING AT GRAND SIGN; LID (LANDSCAPING)
Fri 20	Y	N	LID (PAVER BLOCKS/BARK/FENCING); BALTIMORE WORK (NO WORK)
Sat 21	Y	N	RUSTON WAY 5-K / NO SOIL DISTURBING ACTIVITY

WEATHER:

Day of Week	(LOW/HIGH)	Summary of Weather Conditions
Sun 15	44°/61°:SW	WIND 3MPH/GUST 11MPH, NO PRECIPITATION
Mon 16	44°/53°:SW	WIND 7MPH/GUST 17MPH, PRECIP. 0.4" (SCATTERED)
Tue 17	38°/49°:SSE	WIND 2MPH/GUST 14MPH, PRECIP. 0.13" (AFTERNOON)
Wed 18	44°/54°:SW	WIND 5MPH/GUST 12MPH, PRECIP. 0.06" (MORNING)
Thu 19	40°/54°:SSW	WIND 2MPH/GUST 15MPH, PRECIP. 0.42" (EVE - MIDNIGHT)
Fri 20	44°/54°:SW	WIND 4MPH/GUST 18MPH, PRECIP. 0.24" (MORNING)
Sat 21	43°/65°:NNE	WIND 2MPH/GUST 10MPH, NO PRECIPITATION

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

DATE: 4/23/2012

SIGNED: 

TITLE:

Construction Oversight / Health & Safety Officer



Weekly Site Inspection Report No.

2012-0422

Week of: 4/22 - 28, 2012

Inspector: Tim Rusher

Operable Unit 02 - Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION			NEED REPAIR?		COMMENTS/OBSERVATIONS
Gates:						
49 th & Ruston Wy	G	F	P	Y	N	
Peninsula	G	F	P	Y	N	
52 nd Street	G	F	P	Y	N	
54 th Street (electric)	G	F	P	Y	N	
Signage:						
Gates	G	F	P	Y	N	(SEE NOTES)
Perimeter	G	F	P	Y	N	
Safety	G	F	P	Y	N	
(Other)	G	F	P	Y	N	
Public Streets:						
Ruston Way	G	F	P	Y	N	CLOSED CLOSED
51 st & Gallagher	G	F	P	Y	N	
Stack Hill	G	F	P	Y	N	
(Other)	G	F	P	Y	N	
BMPs:						
Berms	G	F	P	Y	N	
Waddles	G	F	P	Y	N	
Silt Fence	G	F	P	Y	N	
(Other)	G	F	P	Y	N	
Strom drains clean:						
Lower Site	G	F	P	Y	N	
Stack Hill	G	F	P	Y	N	
Stockpiles:						
Envirotac II	G	F	P	Y	N	NONE
Plastic	G	F	P	Y	N	
Packed	G	F	P	Y	N	
Grass	G	F	P	Y	N	
Dust:						
Traffic areas	G	F	P	Y	N	
Excavation area	G	F	P	Y	N	
(Other)	G	F	P	Y	N	
Fencing:						
Site Perimeter	G	F	P	Y	N	
Zone Separation	G	F	P	Y	N	
(Other)	G	F	P	Y	N	
Cameras:						
Lower Site	G	F	P	Y	N	
(Other)	G	F	P	Y	N	

G=Good F=Fair P=Poor Y=Yes N=No

Weekly Site Inspection Report No. 2012-0422
Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION			NEED REPAIR?		COMMENTS/OBSERVATIONS
Health & Safety Plans:						
Site Superintendant	G	F	P	Y	N	UNDER REVIEW
Construction Super.	G	F	P	Y	N	
Other	G	F	P	Y	N	

G=Good F=Fair P=Poor Y=Yes N=No

Misc. notes: 4/26 DISCOVERED GRAFFITI TO MARKETING SIGN @ S. END (OFFSITE)
 GRAFFITI REMOVED.

Air Monitoring:

Day of Week	Hi-Vol Y/N	Personal Y/N	Air Monitoring Notes
Sun 22	N	N	NO RA ACTIVITY
Mon 23	Y	N	RELOCATE S. GATE HI VOL + CALIBRATE / 2A STORAGE WATERPROOFING
Tue 24	Y	N	LID LANDSCAPING + PAVERS / BARK BLOWERS / BALTIMORE WORK / DECOR.
Wed 25	Y	N	SHORELINE EXCAVATION & GRADING / LANDSCAPING / DECON EQUIP. / LID PAVEMENT BLOCKS
Thu 26	Y	N	BALTIMORE ROAD WORK (PREP) / LID ROAD PAVERS
Fri 27	Y	N	OSW 2 (ATTEMPT TO REMOVE STEEL PILING) / BALTIMORE ROAD PREP.
Sat 28	N	N	NO RA ACTIVITY

WEATHER:

Day of Week	(LOW/HIGH)	Summary of Weather Conditions
Sun 22	47°/68°	NNE WIND 3MPH/GUST 11MPH, NO PRECIPITATION
Mon 23	48°/60°	NNE WIND 3MPH/GUST 10MPH, NO PRECIPITATION
Tue 24	50°/56°	SW WIND 3MPH/GUST 17MPH, PRECIP. 0.02" (LATE EVE)
Wed 25	48°/63°	SW WIND 2MPH/GUST 19MPH, PRECIP. 0.54" (SCATTERED)
Thu 26	43°/55°	SW WIND 16MPH/GUST 22MPH, PRECIP. 0.24" (SCATTERED)
Fri 27	42°/55°	SW WIND 16MPH/GUST 20MPH, PRECIP. 0.02" (LATE EVE)
Sat 28	46°/59°	WSW WIND 2MPH/GUST 11MPH, NO PRECIPITATION

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

DATE: 4/30/2012

SIGNED: 

T.M.R.

TITLE: Construction Oversight / Health & Safety Officer

Outfall Sample Results

Table 1. Summary of **April 2012** Outfall Data for As, Cu, and Zn Compared to SOW Limit

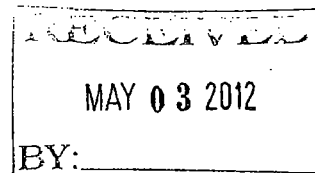
Location	As Conc. ppm	% of SOW Limit*	Cu Conc. ppm	% of SOW Limit*	Zn Conc. ppm	% of SOW Limit*
South Outfall	0.162	32.30%	0.054	10.85%	0.075	15.09%
OSW2	0.031	6.25%	0.005	1.07%	0.003	0.65%
North Outfall	0.029	5.70%	0.015	3.07%	0.013	2.55%

* 0.5 ppm is the limit of As, Cu, and Zn allowed as documented in the SOW.



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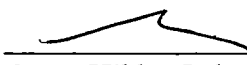
05/01/2012

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Tacoma Smelter
Date Received: 04/30/2012
Spectra Project: 2012040685

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
TSM 0412409	1	Arsenic	0.016	mg/L	EPA 200.8	Water	04/09/2012
TSM 0412409	1	Copper	0.010	mg/L	EPA 200.8	Water	04/09/2012
TSM 0412409	1	Zinc	0.0081	mg/L	EPA 200.8	Water	04/09/2012
TSM 0412109	2	Arsenic	0.042	mg/L	EPA 200.8	Water	04/09/2012
TSM 0412109	2	Copper	0.0086	mg/L	EPA 200.8	Water	04/09/2012
TSM 0412109	2	Zinc	0.0049	mg/L	EPA 200.8	Water	04/09/2012
TSM 0412209	3	Arsenic	0.044	mg/L	EPA 200.8	Water	04/09/2012
TSM 0412209	3	Copper	0.012	mg/L	EPA 200.8	Water	04/09/2012
TSM 0412209	3	Zinc	0.0049	mg/L	EPA 200.8	Water	04/09/2012
TSM 0412416	4	Arsenic	0.025	mg/L	EPA 200.8	Water	04/16/2012
TSM 0412416	4	Copper	0.0087	mg/L	EPA 200.8	Water	04/16/2012
TSM 0412416	4	Zinc	0.0072	mg/L	EPA 200.8	Water	04/16/2012
TSM 0412116	5	Arsenic	0.029	mg/L	EPA 200.8	Water	04/16/2012
TSM 0412116	5	Copper	0.0030	mg/L	EPA 200.8	Water	04/16/2012
TSM 0412116	5	Zinc	0.0089	mg/L	EPA 200.8	Water	04/16/2012
TSM 0412216	6	Arsenic	0.026	mg/L	EPA 200.8	Water	04/16/2012
TSM 0412216	6	Copper	0.0028	mg/L	EPA 200.8	Water	04/16/2012
TSM 0412216	6	Zinc	< 0.0005	mg/L	EPA 200.8	Water	04/16/2012

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Steve Hibbs, Laboratory Manager

a8/scj



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05/01/2012

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Tacoma Smelter
Date Received: 04/30/2012
Spectra Project: 2012040685

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
TSM 0412423	7	Arsenic	0.054	mg/L	EPA 200.8	Water	04/23/2012
TSM 0412423	7	Copper	0.037	mg/L	EPA 200.8	Water	04/23/2012
TSM 0412423	7	Zinc	0.032	mg/L	EPA 200.8	Water	04/23/2012
TSM 0412123	8	Arsenic	0.034	mg/L	EPA 200.8	Water	04/23/2012
TSM 0412123	8	Copper	0.0093	mg/L	EPA 200.8	Water	04/23/2012
TSM 0412123	8	Zinc	0.0080	mg/L	EPA 200.8	Water	04/23/2012
TSM 0412223	9	Arsenic	0.027	mg/L	EPA 200.8	Water	04/23/2012
TSM 0412223	9	Copper	0.0034	mg/L	EPA 200.8	Water	04/23/2012
TSM 0412223	9	Zinc	0.0043	mg/L	EPA 200.8	Water	04/23/2012
TSM 0412430	10	Arsenic	0.019	mg/L	EPA 200.8	Water	04/30/2012
TSM 0412430	10	Copper	0.0056	mg/L	EPA 200.8	Water	04/30/2012
TSM 0412430	10	Zinc	0.0036	mg/L	EPA 200.8	Water	04/30/2012
TSM 0412130	11	Arsenic	0.541	mg/L	EPA 200.8	Water	04/30/2012
TSM 0412130	11	Copper	0.196	mg/L	EPA 200.8	Water	04/30/2012
TSM 0412130	11	Zinc	0.280	mg/L	EPA 200.8	Water	04/30/2012
TSM 0412230	12	Arsenic	0.028	mg/L	EPA 200.8	Water	04/30/2012
TSM 0412230	12	Copper	0.0032	mg/L	EPA 200.8	Water	04/30/2012

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Steve Hibbs, Laboratory Manager

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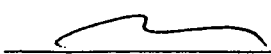
05/01/2012

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Tacoma Smelter
Date Received: 04/30/2012
Spectra Project: 2012040685

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
TSM 0412230	12	Zinc	0.0037	mg/L	EPA 200.8	Water	04/30/2012

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Steve Hibbs, Laboratory Manager

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May 1, 2012

Point Ruston
5219 N. Shirley St.
Suite 100
Tacoma, WA 98407

Units: ug/L
Spectra Project: 2012040685
Applies to Spectra #'s 1 thru 12

QUALITY CONTROL RESULTS

ICP-MS Metals - EPA Method 200.8 - Water

Method Blank

Date Digested: 5/1/2012 Date Analyzed: 5/1/2012

Element	CAS #	Blank Result
Arsenic	7440-38-2	< 0.5
Copper	7440-50-8	< 0.5
Zinc	7440-66-6	< 0.5

Blank Spike (LCS)

Date Digested: 5/1/2012 Date Analyzed: 5/1/2012

Element	Spike Added	LCS Conc.	LCS %Rec
Arsenic	50.0	47.96	95.9
Copper	50.0	48.55	97.1
Zinc	50.0	46.86	93.7

LCS Recovery limits 85-115%

Matrix Spike/Matrix Spike Duplicate (MS/MSD)

Date Digested: 5/1/2012 Date Analyzed: 5/1/2012
Sample Spiked: 2012040633-1

Element	Sample Conc.	Spike Conc.	MS Conc.	MS %Rec	MSD Conc.	MSD %Rec	RPD
Arsenic	0.00	50.0	49.53	99.1	49.83	99.7	0.6
Copper	3.98	50.0	52.77	97.6	53.69	99.4	1.9
Zinc	35.73	50.0	82.07	92.7	83.78	96.1	3.6

Recovery Limits 70-130%

RPD Limit 20

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Steven G. Hibbs
Laboratory Manager

POINT RUSTON

5219 N. Shirley St., Suite 100 Tacoma, WA 98407
Phone: 253-752-2185 Fax: 253-752-7083



CHAIN OF CUSTODY RECORD

20120401085

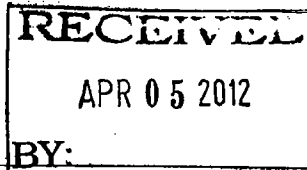
PROJ. NO		PROJECT NAME				NO. OF CONTAINERS											REMARKS						
TACOMA Smelter		Pt Ruston LLC Outfall samples																					
SAMPLERS: (Signature)																							
DATE	STA #	TIME	COMP	GRAB	SAMPLE NUMBER																		
4/9/12	North	9:00		x	TSM0412409	1	x																
4/9/12	South	9:10		x	TSM0412109	1	x																
4/9/12	OSW2	9:15		x	TSM0412209	1	x																
4/16/12	North	9:00		x	TSM0412416	1	x																
4/16/12	South	9:05		x	TSM0412116	1	x																
4/16/12	OSW2	9:15		x	TSM0412216	1	x																
4/23/12	North	9:00		x	TSM0412423	1	x																
4/23/12	South	9:05		x	TSM0412123	1	x																
4/23/12	OSW2	9:10		x	TSM0412223	1	x																
4/30/12	North	9:00		x	TSM0412430	1	x																
4/30/12	South	9:10		x	TSM0412130	1	x																
4/30/12	OSW2	9:20		x	TSM0412230	1	x																
Relinquished (Signature)						Date/Time		Received by: (Signature)				Lab		Shipped via: FedEx, UPS or Other									
						4/30/12 13:48						Spectra		Drop Air Bill #									
Relinquished (Signature)						Date/Time		Received by: (Signature)				Remarks											
Relinquished (Signature)						Date/Time		Received for Laboratory by: (Signature)				Date/Time		Enclosed:									
														<input type="checkbox"/> Parameter List with DTLs <input type="checkbox"/> Cover Letter									
Split Samples:																							
[] Accepted [] Declined																							
Signature																							

Leachate Sample Results



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04/03/2012

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Tacoma Smelter OCF-Leachate
Client ID: TSM 031229
Sample Matrix: Water
Date Sampled: 03/29/2012
Date Received: 03/29/2012
Spectra Project: 2012030696
Spectra Number: 1

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>
Arsenic	3.83	mg/L	EPA 200.7

SPECTRA LABORATORIES


Steve Hibbs, Laboratory Manager

a6/scj

POINT RUSTON

5219 N. Shirley St., Suite 100 Tacoma, WA 98407
Phone: 253-752-2185 Fax: 253-752-7083



70120306096

PROJ. NO <i>Tacoma Smelter</i>		PROJECT NAME <i>OCF-leachate tank</i>								<div style="text-align: center;">NO. OF CONTAINERS</div> <div style="font-size: 2em; margin-top: 20px;"><i>A_s</i></div>								REMARKS	
SAMPLERS: (Signature) <i>[Signature]</i>																			
DATE	STA #	TIME	COMP	GRAB	SAMPLE NUMBER														
<i>3/29/12</i>	<i>OCF leachate</i>	<i>8:45</i>		<i>x</i>	<i>TSM 031229</i>				<i>1</i>	<i>X</i>									
Relinquished (Signature)	Date/Time				Received by: (Signature)				Lab				Shipped via: FedEx, UPS or Other						
<i>[Signature]</i>	<i>3/29/12 11:00</i>				<i>Pd/Rg</i>				<i>Spectra</i>				<i>Drop off</i>						
Relinquished (Signature)	Date/Time				Received by: (Signature)				Remarks										
Relinquished (Signature)	Date/Time				Received for Laboratory by: (Signature)				Date/Time	Enclosed:									
										<input type="checkbox"/> Parameter List with DTLs									
										<input type="checkbox"/> Cover Letter									
Split Samples: [] Accepted [] Declined										Signature _____									

Perimeter Air Monitoring Results



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RECEIVED

APR 23 2012

BY: _____

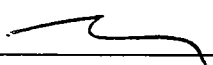
04/18/2012

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Air Monitoring (Hi-Vol)
Date Received: 04/09/2012
Spectra Project: 2012040198

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
8590559	1	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	04/02/2012
8590559	1	Lead	< 0.05	µg/m3	SW846 6010B	Filter	04/02/2012
8590558	2	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	04/02/2012
8590558	2	Lead	< 0.05	µg/m3	SW846 6010B	Filter	04/02/2012
8590557	3	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	04/02/2012
8590557	3	Lead	< 0.05	µg/m3	SW846 6010B	Filter	04/02/2012
8590556	4	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	04/03/2012
8590556	4	Lead	< 0.05	µg/m3	SW846 6010B	Filter	04/03/2012
8590555	5	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	04/03/2012
8590555	5	Lead	< 0.05	µg/m3	SW846 6010B	Filter	04/03/2012
8590554	6	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	04/03/2012
8590554	6	Lead	< 0.05	µg/m3	SW846 6010B	Filter	04/03/2012
8590552	7	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	04/04/2012
8590552	7	Lead	< 0.05	µg/m3	SW846 6010B	Filter	04/04/2012
8590551	8	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	04/04/2012
8590551	8	Lead	< 0.05	µg/m3	SW846 6010B	Filter	04/04/2012

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Steve Hibbs, Laboratory Manager

a8/scj



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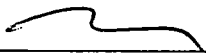
04/18/2012

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Air Monitoring (Hi-Vol)
Date Received: 04/09/2012
Spectra Project: 2012040198

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
8590550	9	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	04/04/2012
8590550	9	Lead	< 0.05	µg/m3	SW846 6010B	Filter	04/04/2012
8590549	10	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	04/05/2012
8590549	10	Lead	< 0.05	µg/m3	SW846 6010B	Filter	04/05/2012
8590548	11	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	04/05/2012
8590548	11	Lead	< 0.05	µg/m3	SW846 6010B	Filter	04/05/2012
8590547	12	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	04/05/2012
8590547	12	Lead	< 0.05	µg/m3	SW846 6010B	Filter	04/05/2012
8590546	13	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	04/06/2012
8590546	13	Lead	< 0.05	µg/m3	SW846 6010B	Filter	04/06/2012
8590545	14	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	04/06/2012
8590545	14	Lead	< 0.05	µg/m3	SW846 6010B	Filter	04/06/2012
8590544	15	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	04/06/2012
8590544	15	Lead	< 0.05	µg/m3	SW846 6010B	Filter	04/06/2012

SPECTRA LABORATORIES

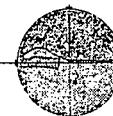


Steve Hibbs, Laboratory Manager

a8/scj

2012040198

5219 N. Shirley St., Suite 100 Tacoma, WA 98407
Phone: 253-752-2185 Fax: 253-752-7083



PROJ. NO		PROJECT NAME		NO. OF CONTAINERS							REMARKS	
AIR MONITORING		Pt. Ruston LLC										
SAMPLERS: (Signature)												
DATE	STA #	TIME	COMP	GRAB	SAMPLE NUMBER							
4/2/12	S.G.		X		8590559	1	X					H.I. VOLUME SAMPLER Log included.
4/2/12	O.C.F.-VI		X		8590558	1	X					
4/2/12	O.C.F.-NW		X		8590557	1	X					
4/3/12	S.G.		X		8590556	1	X					
4/3/12	O.C.F.-VI		X		8590555	1	X					
4/3/12	O.C.F.-NW		X		8590554	1	X					
4/4/12	S.G.		X		8590552	1	X					
4/4/12	O.C.F.-VI		X		8590551	1	X					
4/4/12	O.C.F.-NW		X		8590550	1	X					
4/5/12	S.G.		X		8590549	1	X					
4/5/12	O.C.F.-VI		X		8590548	1	X					
4/5/12	O.C.F.-NW		X		8590547	1	X					
4/6/12	S.G.		X		8590546	1	X					
4/6/12	O.C.F.-VI		X		8590545	1	X					
4/6/12	O.C.F.-NW		X		8590544	1	X					

Relinquished (Signature) _____

Relinquished (Signature) _____

Relinquished (Signature) _____

Date/Time
4/9/12 15:30

Date/Time _____

Date/Time _____

Received by: (Signature)

Received by: (Signature)

Received for Laboratory by: (Signature)

Lab
Spectra

Remarks _____

Date/Time _____

Shipped via: FedEx, UPS or Other Drop off

Air Bill # 044

Enclosed:
☐ Parameter List with DTLs
☐ Cover Letter

Signature _____

Split Samples:
☒ Accepted ☐ Declined

COCForm - 8/07



SPECTRA Laboratories

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RECEIVED
APR 20 2012

BY: _____


04/17/2012

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Air Monitoring (hi-vol)
Date Received: 04/16/2012
Spectra Project: 2012040359
Rush

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
8590543	1	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	04/10/2012
8590543	1	Lead	< 0.05	µg/m3	SW846 6010B	Filter	04/10/2012
8590540	2	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	04/11/2012
8590540	2	Lead	< 0.05	µg/m3	SW846 6010B	Filter	04/11/2012
8590535	3	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	04/12/2012
8590535	3	Lead	< 0.05	µg/m3	SW846 6010B	Filter	04/12/2012
8590532	4	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	04/13/2012
8590532	4	Lead	< 0.05	µg/m3	SW846 6010B	Filter	04/13/2012

SPECTRA LABORATORIES



Steve Hibbs, Laboratory Manager

a8/scj

5219 N. Shirley St., Suite 100 Tacoma, WA 98407
Phone: 253-752-2185 Fax: 253-752-7083

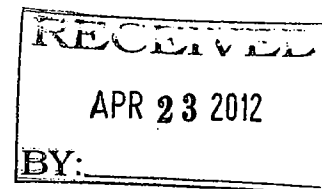
2012040350

PROJ. NO		PROJECT NAME		NO. OF CONTAINERS		REMARKS														
AIR MONITORING		Pt Ruston LLC																		
SAMPLERS: (Signature)																				
DATE	STA #	TIME	COMP	GRAB	SAMPLE NUMBER															
4/16/12	S.G. 2		✓		8590543	1	✓													
4/11/12	S.G. 2		✓		8590540	1	✓													
4/12/12	S.G. 2		✓		8590535	1	✓													
4/13/12	S.G. 2		✓		8590532	1	✓													
4/16/12	HI-VOLUME SAMPLERS LOG (HIGHLIGHTED)																			
Relinquished (Signature)			Date/Time			Received by: (Signature)			Lab			Shipped via: FedEx, UPS or Other								
[Signature]			4/16/12 13:48			[Signature]			Spectra			Drop off								
Relinquished (Signature)			Date/Time			Received by: (Signature)			Remarks											
[Signature]						[Signature]														
Relinquished (Signature)			Date/Time			Received for Laboratory by: (Signature)			Date/Time			Enclosed:								
[Signature]						[Signature]						<input type="checkbox"/> Parameter List with DTLs <input type="checkbox"/> Cover Letter								
Split Samples:																				
[] Accepted [] Declined																				
Signature																				



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04/19/2012

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Air Monitoring (hi-vol)
Date Received: 04/16/2012
Spectra Project: 2012040360

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
8590542	1	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	04/09/2012
8590542	1	Lead	< 0.05	µg/m3	SW846 6010B	Filter	04/09/2012
8590541	2	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	04/09/2012
8590541	2	Lead	< 0.05	µg/m3	SW846 6010B	Filter	04/09/2012
8590539	3	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	04/10/2012
8590539	3	Lead	< 0.05	µg/m3	SW846 6010B	Filter	04/10/2012
8590538	4	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	04/10/2012
8590538	4	Lead	< 0.05	µg/m3	SW846 6010B	Filter	04/10/2012
8590537	5	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	04/11/2012
8590537	5	Lead	< 0.05	µg/m3	SW846 6010B	Filter	04/11/2012
8590536	6	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	04/11/2012
8590536	6	Lead	< 0.05	µg/m3	SW846 6010B	Filter	04/11/2012
8590534	7	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	04/12/2012
8590534	7	Lead	< 0.05	µg/m3	SW846 6010B	Filter	04/12/2012
8590533	8	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	04/12/2012
8590533	8	Lead	< 0.05	µg/m3	SW846 6010B	Filter	04/12/2012

SPECTRA LABORATORIES



Steve Hibbs, Laboratory Manager

a8/scj



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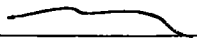
04/19/2012

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Air Monitoring (hi-vol)
Date Received: 04/16/2012
Spectra Project: 2012040360

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
8590531	9	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	04/13/2012
8590531	9	Lead	< 0.05	µg/m3	SW846 6010B	Filter	04/13/2012
8590530	10	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	04/13/2012
8590530	10	Lead	< 0.05	µg/m3	SW846 6010B	Filter	04/13/2012
8590523	11	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	04/16/2012
8590523	11	Lead	< 0.05	µg/m3	SW846 6010B	Filter	04/16/2012

SPECTRA LABORATORIES



Steve Hibbs, Laboratory Manager
a8/scj

2012040360

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APR 23 2012

BY: _____

04/18/2012

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Air Monitoring (hi-vol)
Client ID: 8590529
Sample Matrix: Filter
Date Sampled: 04/16/2012
Date Received: 04/17/2012
Spectra Project: 2012040403
Spectra Number: 1
Rush

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>
Arsenic	< 0.05	µg/m3	SW846 6010B
Lead	< 0.05	µg/m3	SW846 6010B

SPECTRA LABORATORIES

Steve Hibbs, Laboratory Manager

a6/scj

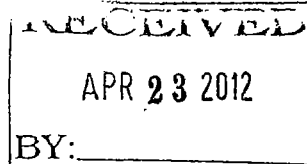
2012040403

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04/19/2012

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Air Monitoring (hi-vol)
Client ID: 8590526
Sample Matrix: Filter
Date Sampled: 04/17/2012
Date Received: 04/18/2012
Spectra Project: 2012040428
Spectra Number: 1
Rush

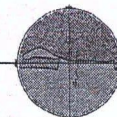
<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>
Arsenic	< 0.05	µg/m3	SW846 6010B
Lead	< 0.05	µg/m3	SW846 6010B

SPECTRA LABORATORIES


Steve Hibbs, Laboratory Manager

a6/scj

5219 N. Shirley St., Suite 100 Tacoma, WA 98407
Phone: 253-752-2185 Fax: 253-752-7083



201204104258

PROJ. NO		PROJECT NAME						
AIR MONITORING		(H1-VOL) Pt Ruston LLC						
SAMPLERS: (Signature)								
DATE	STA #	TIME	COMP	GRAB	SAMPLE NUMBER	NO. OF CONTAINERS	REMARKS	
4/18/12	SG 2		X		8590526	1 X	24 hr RUSH	
4/18/12					H1-VOLUME SAMPLER LOG			
Relinquished (Signature)			Date/Time		Received by: (Signature)		Lab	Shipped via: FedEx, UPS or Other
Relinquished (Signature)			Date/Time		Received by: (Signature)		Remarks	Air Bill #
Relinquished (Signature)			Date/Time		Received for Laboratory by: (Signature)		Date/Time	Enclosed: <input type="checkbox"/> Parameter List with DTLs <input type="checkbox"/> Cover Letter

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Split Samples:
[] Accepted [] Declined

Signature



SPECTRA Laboratories

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RECEIVED
APR 24 2012
BY: _____

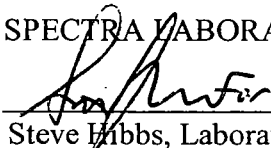
04/20/2012

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Air Monitoring (hi-vol)
Client ID: 8590522
Sample Matrix: Filter
Date Sampled: 04/18/2012
Date Received: 04/19/2012
Spectra Project: 2012040462
Spectra Number: 1
Rush

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>
Arsenic	< 0.05	µg/m3	SW846 6010B
Lead	< 0.05	µg/m3	SW846 6010B

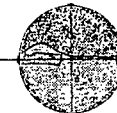
SPECTRA LABORATORIES


Steve Hibbs, Laboratory Manager

a6/scj

2012040462

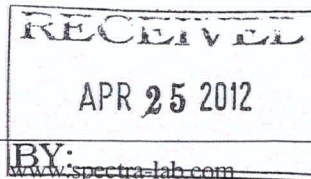
5219 N. Shirley St., Suite 100 Tacoma, WA 98407
Phone: 253-752-2185 Fax: 253-752-7083

[illegible]



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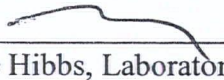
04/23/2012

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Air Monitoring (hi-vol)
Client ID: 8590519
Sample Matrix: Filter
Date Sampled: 04/20/2012
Date Received: 04/20/2012
Spectra Project: 2012040484
Spectra Number: 1
Rush

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>
Arsenic	< 0.05	µg/m3	SW846 6010B
Lead	< 0.05	µg/m3	SW846 6010B

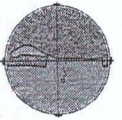
SPECTRA LABORATORIES

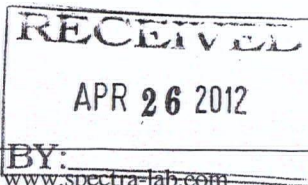

Steve Hibbs, Laboratory Manager

a6/scj

2012040494

5219 N. Shirley St., Suite 100 Tacoma, WA 98407
Phone: 253-752-2185 Fax: 253-752-7083

[illegible]




04/24/2012

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Air Monitoring (hi-vol)
Sample Matrix: Filter
Date Sampled: 04/20/2012 + 4/21/12
Date Received: 04/23/2012
Spectra Project: 2012040515
Rush

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>
8590516 } 4/20/12	1	Arsenic	< 0.05	µg/m3	SW846 6010B
8590516 } 4/20/12	1	Lead	< 0.05	µg/m3	SW846 6010B
8590513 } 4/21/12	2	Arsenic	< 0.05	µg/m3	SW846 6010B
8590513 } 4/21/12	2	Lead	< 0.05	µg/m3	SW846 6010B

SPECTRA LABORATORIES


Steve Hibbs, Laboratory Manager

a7/scj

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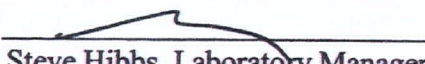
05/14/2012

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Air Monitoring (hi-vol)
Date Received: 04/23/2012
Spectra Project: 2012040535

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
8590528	1	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	04/16/2012
8590528	1	Lead	< 0.05	µg/m3	SW846 6010B	Filter	04/16/2012
8590527	2	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	04/16/2012
8590527	2	Lead	< 0.05	µg/m3	SW846 6010B	Filter	04/16/2012
8590525	3	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	04/17/2012
8590525	3	Lead	< 0.05	µg/m3	SW846 6010B	Filter	04/17/2012
8590524	4	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	04/17/2012
8590524	4	Lead	< 0.05	µg/m3	SW846 6010B	Filter	04/17/2012
8590521	5	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	04/18/2012
8590521	5	Lead	< 0.05	µg/m3	SW846 6010B	Filter	04/18/2012
8590520	6	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	04/18/2012
8590520	6	Lead	< 0.05	µg/m3	SW846 6010B	Filter	04/18/2012
8590518	7	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	04/19/2012
8590518	7	Lead	< 0.05	µg/m3	SW846 6010B	Filter	04/19/2012
8590517	8	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	04/19/2012
8590517	8	Lead	< 0.05	µg/m3	SW846 6010B	Filter	04/19/2012

SPECTRA LABORATORIES



Steve Hibbs, Laboratory Manager

a8/scj



SPECTRA Laboratories

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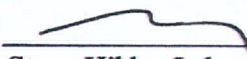
05/14/2012

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Air Monitoring (hi-vol)
Date Received: 04/23/2012
Spectra Project: 2012040535

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
8590515	9	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	04/20/2012
8590515	9	Lead	< 0.05	µg/m3	SW846 6010B	Filter	04/20/2012
8590514	10	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	04/20/2012
8590514	10	Lead	< 0.05	µg/m3	SW846 6010B	Filter	04/20/2012
8590512	11	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	04/21/2012
8590512	11	Lead	< 0.05	µg/m3	SW846 6010B	Filter	04/21/2012
8590511	12	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	04/21/2012
8590511	12	Lead	< 0.05	µg/m3	SW846 6010B	Filter	04/21/2012
8590504	13	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	04/23/2012
8590504	13	Lead	< 0.05	µg/m3	SW846 6010B	Filter	04/23/2012

SPECTRA LABORATORIES



Steve Hibbs, Laboratory Manager
a8/scj

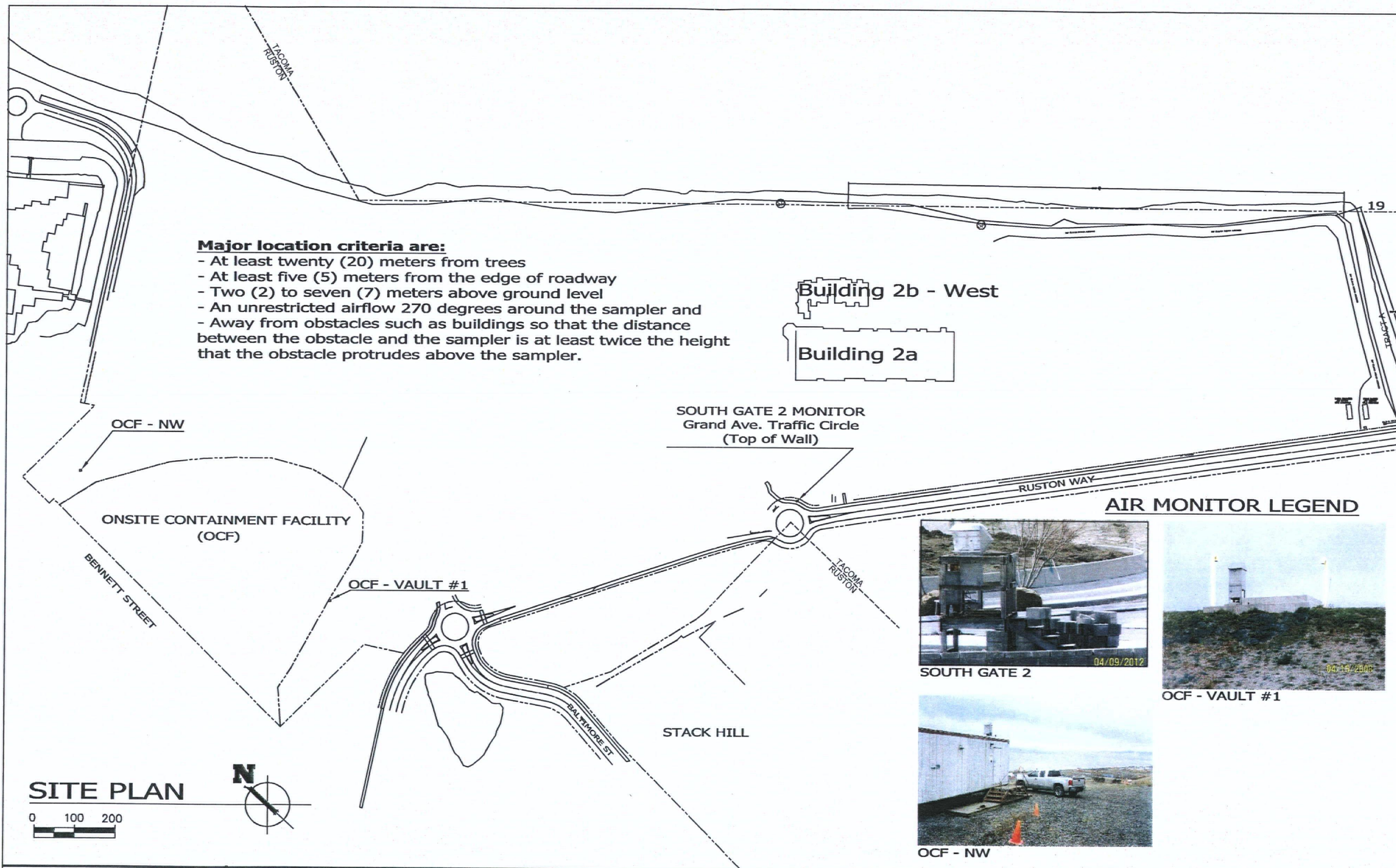
CHAIN OF CUSTODY RECORD

POINT
RUSTON5219 N. Shirley St., Suite 100 Tacoma, WA 98407
Phone: 253-752-2185 Fax: 253-752-7083

2012040535

PROJ. NO		PROJECT NAME		NO. OF CONTAINERS		REMARKS		
AIR MONITORING		Pt Ruston LLC (H1-VOL)		As-Pb				
SAMPLERS: (Signature)								
<i>[Signature]</i>								
DATE	STA #	TIME	COMP	GRAB	SAMPLE NUMBER			
4/16/12	OCF-VI		X		8590528	1	X	
4/16/12	OCF-NW		X		8590527	1	X	
4/17/12	OCF-VI		X		8590525	1	X	
4/17/12	OCF-NW		X		8590524	1	X	
4/18/12	OCF-VI		X		8590521	1	X	
4/18/12	OCF-NW		X		8590520	1	X	
4/19/12	OCF-VI		X		8590518	1	X	
4/19/12	OCF-NW		X		8590517	1	X	
4/20/12	OCF-VI		X		8590515	1	X	
4/20/12	OCF-NW		X		8590514	1	X	
4/21/12	OCF-VI		X		8590512	1	X	
4/21/12	OCF-NW		X		8590511	1	X	
4/23/12	Control		X		8590504	1	X	
4/23/12 ——— H1-VOLUME SAMPLER LOG ———								
Relinquished (Signature)			Date/Time		Received by: (Signature)		Lab	
<i>[Signature]</i>			4/23/12 14:20		<i>[Signature]</i>		Spectra	
Relinquished (Signature)			Date/Time		Received by: (Signature)		Remarks	
Relinquished (Signature)			Date/Time		Received for Laboratory by: (Signature)		Date/Time	
							Enclosed:	
							<input type="checkbox"/> Parameter List with DTLs <input type="checkbox"/> Cover Letter	
Split Samples:								
[] Accepted [] Declined								
Signature								

Site Plan of Air Monitoring Locations



SHEET NAME:
HI-VOLUME AIR MONITORING

POINT RUSTON, LLC
5219 N SHIRLEY ST, STE 100
RUSTON WA 98407

DATE:
4-15-08

SCALE:
1"=100'

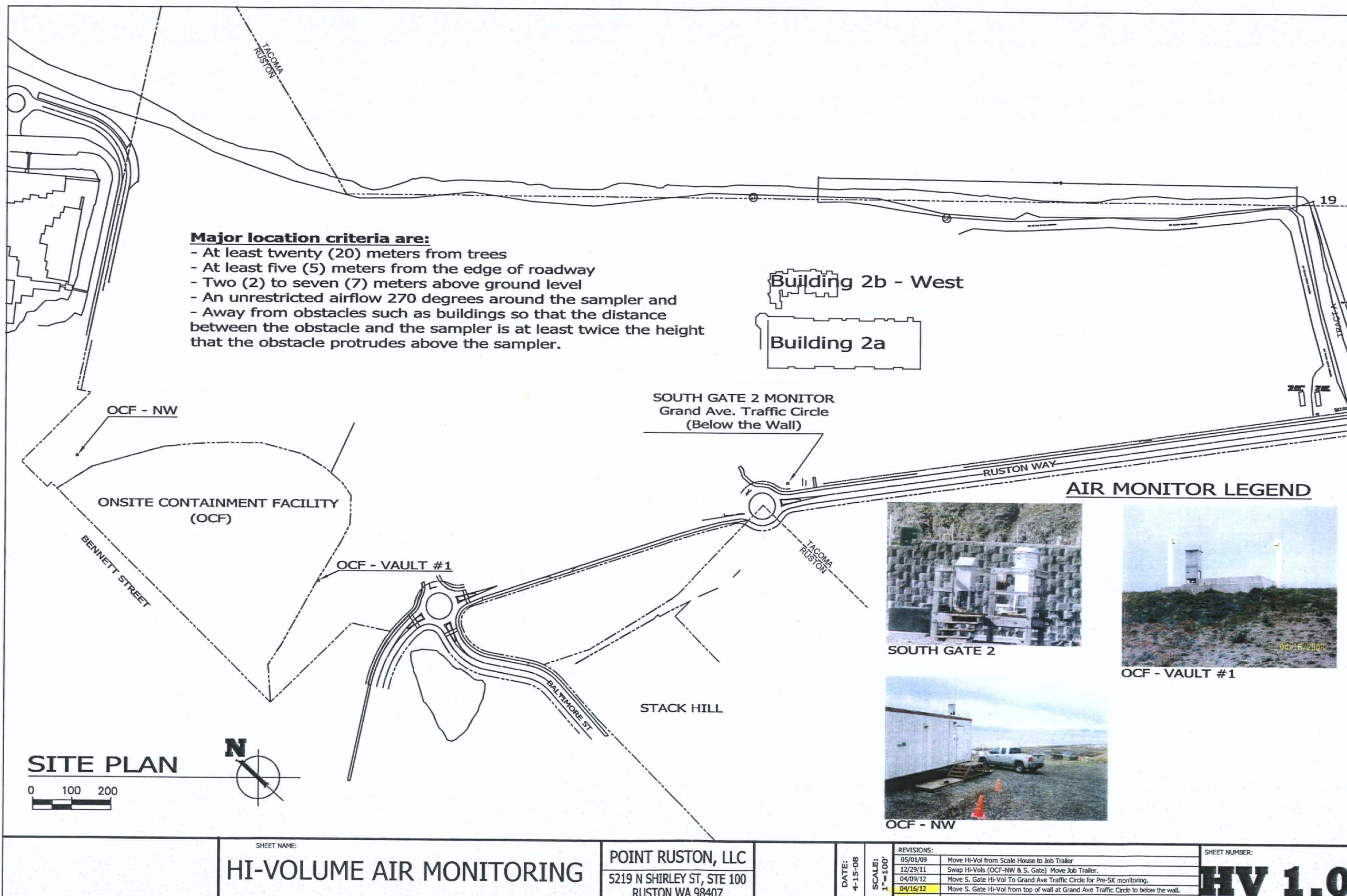
REVISIONS:

05/01/09	Move Hi-Vol from Scale House to Job Trailer
12/29/11	Swap Hi-Vols (OCF-NW & S. Gate) Move Job Trailer.
04/09/12	Move S. Gate Hi-Vol To Grand Ave Round-About for Pre-5K monitoring.

SHEET NUMBER:

HV 1.0

4/9/12



SHEET NAME:
HI-VOLUME AIR MONITORING

POINT RUSTON, LLC
5219 N SHIRLEY ST, STE 100
RUSTON WA 98407

DATE:
4-15-08

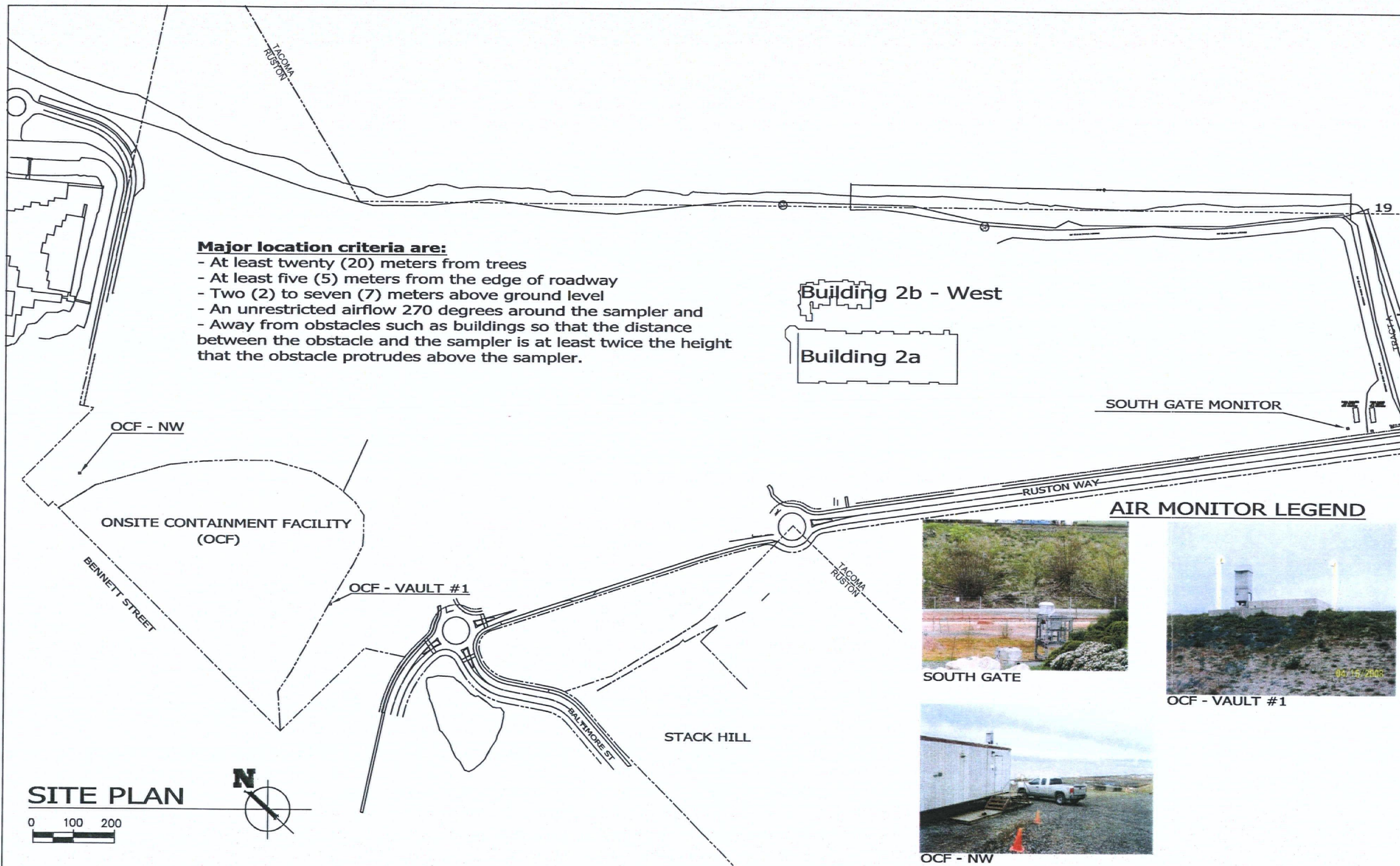
SCALE:
1"=100'

REVISIONS:

05/01/09	Move Hi-Vol from Scale House to Job Trailer
12/29/11	Swap Hi-Vols (OCF-NW & S. Gate) Move Job Trailer.
04/09/12	Move S. Gate Hi-Vol To Grand Ave Traffic Circle for Pre-SK monitoring.
04/16/12	Move S. Gate Hi-Vol from top of wall at Grand Ave Traffic Circle to below the wall.

SHEET NUMBER:

HV 1.0

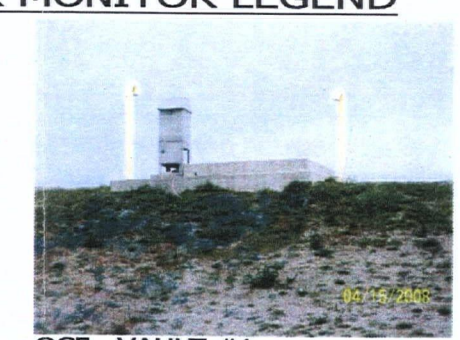


- Major location criteria are:**
- At least twenty (20) meters from trees
 - At least five (5) meters from the edge of roadway
 - Two (2) to seven (7) meters above ground level
 - An unrestricted airflow 270 degrees around the sampler and
 - Away from obstacles such as buildings so that the distance between the obstacle and the sampler is at least twice the height that the obstacle protrudes above the sampler.

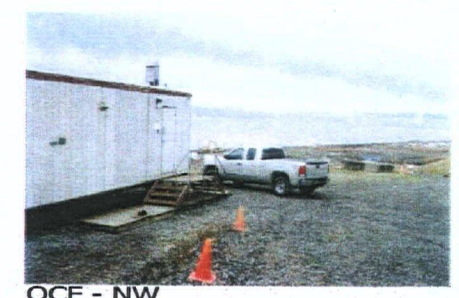
AIR MONITOR LEGEND



SOUTH GATE

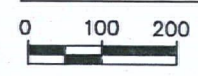


OCF - VAULT #1



OCF - NW

SITE PLAN



SHEET NAME:
HI-VOLUME AIR MONITORING

POINT RUSTON, LLC
5219 N SHIRLEY ST, STE 100
RUSTON WA 98407

DATE:
4-15-08

SCALE:
1"=100'

REVISIONS:	
05/01/09	Move Hi-Vol from Scale House to Job Trailer
12/29/11	Swap Hi-Vols (OCF-NW & S. Gate) Move Job Trailer.
04/09/12	Move S. Gate Hi-Vol To Grand Ave Traffic Circle for Pre-5K monitoring.
04/16/12	Move S. Gate Hi-Vol from top of wall at Grand Ave Traffic Circle to below the wall.
04/23/12	Move S. Gate Hi-Vol from Grand Ave Traffic Circle back to south end (see 12/29/11).

SHEET NUMBER:

HV 1.0

4/23/12

Personal Air Monitoring Results



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APR 20 2012

BY: _____

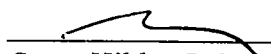
04/16/2012

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: L.I.D
Date Received: 04/09/2012
Spectra Project: 2012040197

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
040212-181	1	Arsenic	< 0.05	µg/m3	SW846 6020A	Air Cassette	04/02/2012
040212-181	1	Lead	< 0.05	µg/m3	SW846 6020A	Air Cassette	04/02/2012
040312-123	2	Arsenic	< 0.05	µg/m3	SW846 6020A	Air Cassette	04/03/2012
040312-123	2	Lead	< 0.05	µg/m3	SW846 6020A	Air Cassette	04/03/2012
040312-719	3	Arsenic	< 0.05	µg/m3	SW846 6020A	Air Cassette	04/03/2012
040312-719	3	Lead	< 0.05	µg/m3	SW846 6020A	Air Cassette	04/03/2012
040412-123	4	Arsenic	< 0.05	µg/m3	SW846 6020A	Air Cassette	04/04/2012
040412-123	4	Lead	< 0.05	µg/m3	SW846 6020A	Air Cassette	04/04/2012
040412-719	5	Arsenic	< 0.05	µg/m3	SW846 6020A	Air Cassette	04/04/2012
040412-719	5	Lead	< 0.05	µg/m3	SW846 6020A	Air Cassette	04/04/2012
040512-646	6	Arsenic	< 0.05	µg/m3	SW846 6020A	Air Cassette	04/05/2012
040512-646	6	Lead	< 0.05	µg/m3	SW846 6020A	Air Cassette	04/05/2012
040512-181	7	Arsenic	< 0.05	µg/m3	SW846 6020A	Air Cassette	04/05/2012
040512-181	7	Lead	< 0.05	µg/m3	SW846 6020A	Air Cassette	04/05/2012
040512-719	8	Arsenic	< 0.05	µg/m3	SW846 6020A	Air Cassette	04/05/2012
040512-719	8	Lead	< 0.05	µg/m3	SW846 6020A	Air Cassette	04/05/2012

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Steve Hibbs, Laboratory Manager

a8/scj



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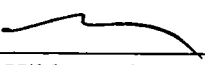
04/16/2012

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: L.I.D
Date Received: 04/09/2012
Spectra Project: 2012040197

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
040612-646	9	Arsenic	< 0.05	µg/m3	SW846 6020A	Air Cassette	04/06/2012
040612-646	9	Lead	< 0.05	µg/m3	SW846 6020A	Air Cassette	04/06/2012
040612-123	10	Arsenic	< 0.05	µg/m3	SW846 6020A	Air Cassette	04/06/2012
040612-123	10	Lead	< 0.05	µg/m3	SW846 6020A	Air Cassette	04/06/2012
040612-181	11	Arsenic	< 0.05	µg/m3	SW846 6020A	Air Cassette	04/06/2012
040612-181	11	Lead	< 0.05	µg/m3	SW846 6020A	Air Cassette	04/06/2012

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Steve Hibbs, Laboratory Manager

a8/scj

POINT RUSTON

5219 N. Shirley St., Suite 100 Tacoma, WA 98407
Phone: 253-752-2185 Fax: 253-752-7083

201204019-

PROJ. NO		PROJECT NAME			
SAMPLERS: (Signature)					
DATE	STA #	TIME	COMP	GRAB	SAMPLE NUMBER
4/2/12			✓		040212-181
4/3/12			✓		040312-123
4/3/12			✓		040312-719
4/4/12			✓		040412-123
4/4/12			✓		040412-719
4/5/12			✓		040512-1046
4/5/12			✓		040512-181
4/5/12			✓		040512-719
4/6/12			✓		040612-1046
4/6/12			✓		040612-123
4/6/12			✓		040612-181
4/9/12					SAMPLE LOG INFO SHEETS
Relinquished (Signature)		Date/Time	Received by: (Signature)		Lab
Relinquished (Signature)		Date/Time	Received by: (Signature)		Remarks
Relinquished (Signature)		Date/Time	Received for Laboratory by: (Signature)		Enclosed:

**Methane Gas Monitoring Data Log &
Field Worksheets**

Gas Monitoring Data Form / Calibration Worksheet

Project Name: Building 2B

Date of Sampling: 4/11/12

Name of Sample Collector: Pat Wilber

Gas Meter Information

Manufacturer: Industrial Scientific Model: M40/SP40 Serial Number: 0806049-984
 Factory/Service Center Calibration Date of Gas Monitor: November 1, 2011 Pump Rate of Gas Meter: .5 SCFH (0.25 LPM)

Calibration Canister Information

Canister I.D. Lot: 1212235 Cyl: 9 Calibration Gas: O₂, LEL, CO, H₂S, N Canister Exp.: OCT 2012

PRE-SAMPLE CALIBRATION:

Date: 4/11/12

Time: 10:10

Sensor SN	Sensor Type	Gas Type	Span Gas	Span Reserve	Passed/Failed	Alarm Low	Alarm High	Alarm TWA	Alarm STEL
806862459	Combustible-LEL	Methane	50	92	P				
805823354	Hydrogen Sulfide	Hydrogen Sulfide	25	51	P				
180339703081	Oxygen	Oxygen	19	30.3	P				

SAMPLING RECORD:

Temperature: 49.5 Barometric Pressure: 29.69 Ground Conditions: wet

Precipitation: .01 Tidal Conditions: High Tide 8:30

Wind Speed: 7 Direction: SSW Other Relevant Conditions: overcast / drizzle / RAIN

Location Well ID#	Sample Tube Purge (Y/N)	Start Time	Stop Time	Initial % LEL	Stabilized % LEL	% CH ₄ By Volume	% O ₂	H ₂ S (ppm)	Notes
2BW001		13:00	13:10	0	0	0	20.5	0	
2BW002		13:12	13:22	0	0	0	20.7	0	
2BW003		13:24	13:34	0	0	0	17.7	0	
2BW004		13:36	13:46	0	0	0	15.5	0	
BBB289		13:48	13:58	0	0	0	16.9	0	
BBB290		14:00	14:10	0	0	0	12.2	0	
BCN914		14:12	14:22	0	0	0	18.2	0	
BCN915		14:24	14:34	0	0	0	13.0	0	

Certification:

To the best of my knowledge, the information reported and statements made on this data submittal and attachments are true and correct.

Pat Wilber
 SIGNATURE:

4/11/12
 DATE:

Miscellaneous Contaminant Sampling Results

MRC Constructon, LLC (XRF)

Baltimore Excavation

(Soils stockpile on Stack Hill Lot # 18)

Sample Date (or) Reading No.	Sample/Reading Time	Type	Duration	Units	Sequence	Sample Number	Site Code	Sample Depth	Subunit	Sample Type	Pb	As
4	5/3/2012 11:11	BULK	90	ppm	Final	BALTSP-FYI-02-A1	BALTSP	A	2		33.46	23.93
5	5/3/2012 12:17	BULK	90	ppm	Final	BALTSP-FYI-03-A1	BALTSP	A	3		22.86	13.16



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04/27/2012

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Baltimore Stockpile
Client ID: BALTSP-SAM-01-A1
Sample Matrix: Solid
Date Sampled: 04/18/2012
Date Received: 04/18/2012
Spectra Project: 2012040429
Spectra Number: 1

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>
Total Arsenic	34	mg/Kg	SW846 6010B
Total Lead	23	mg/Kg	SW846 6010B

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Steve Hibbs, Laboratory Manager
a6/sgb

5219 N. Shirley St., Suite 100 Tacoma, WA 98407
Phone: 253-752-2185 Fax: 253-752-7083

2012040429

[illegible]

4/18/12

Soil sampling of stockpile on
Lots 23+24 - Soil is from Baltimore st.
~~at~~ west slope excavation.
6 point composite

Sample ID: BALTSP-SAM-01-A1

Spectra Project: 2012040429

Results: As = 34 mg/Kg; Pb = 23 mg/Kg

